

GE Pittsfield/Housatonic River Project
Comparison of 2007 EPA and GE OPCA Replicate PCB Air Sample Results

Collection Date	Location	EPA's Total PCB Concentration (ug/m ³)	EPA Data Validation	GE's Total PCB Concentration (ug/m ³)	GE Data Validation
Jan 10-11, 2007	Northwest of OPCAs	Non Detect (<0.0005) ¹	Tier II	Non Detect (<0.0003) ²	Tier II
Feb 6-7, 2007	Northwest of OPCAs	Non Detect (<0.0005) ¹	Tier II	Non Detect (<0.0003) ²	Tier II
Mar 6-7, 2007	Northwest of OPCAs	Non Detect (<0.0005) ¹	Tier II	Non Detect (<0.0003 J) ²	Tier II
Apr 17-18, 2007	Northwest of OPCAs	Non Detect (<0.0005) ¹	Tier II	Non Detect (<0.0003) ²	Tier II
May 8-9, 2007	Northwest of OPCAs	0.0016 ¹	Tier II	0.0011 ²	Tier II
May 30-31, 2007	Northwest of OPCAs	NA ³	NA	0.0013 ²	Tier II
June 6-7, 2007	Northwest of OPCAs	Non Detect (<0.0005) ¹	Tier II	0.0003 J ²	Tier II
June 12-13, 2007	Northwest of OPCAs	0.0006 ¹	Tier II	0.0007 J ²	Tier II
June 19-20, 2007	Northwest of OPCAs	0.0036 P ¹	Tier II	0.0034 J ²	Tier II
June 26-27, 2007	Northwest of OPCAs	0.0017 ¹	Tier II	0.0024 J ²	Tier II
July 2-3, 2007	Northwest of OPCAs	0.0037 ¹	Tier II	Non Detect (<0.0003) ²	Tier II
July 10-11, 2007	Northwest of OPCAs	0.0018 J ¹	Tier II	0.0032 J ²	Tier II
July 17-18, 2007	Northwest of OPCAs	Non Detect (<0.0005) J ¹	Tier II	0.0008 J ²	Tier II
July 24-25, 2007	Northwest of OPCAs	0.0009 ¹	Tier II	0.0008 J ²	Tier II
Aug 1-2, 2007	Northwest of OPCAs	0.0008 ¹	Tier II	0.0011 J ²	Tier II
Aug 7-8, 2007	Northwest of OPCAs	0.0013 ¹	Tier II	0.0015 ²	Tier II
Aug 14-15, 2007	Northwest of OPCAs	0.0004 ⁴	Tier II	0.0004 ²	Tier II
Aug 22-23, 2007	Northwest of OPCAs	Non Detect (<0.0003) ⁴	Tier II	Non Detect (<0.0003) ²	Tier II
Aug 28-29, 2007	Northwest of OPCAs	0.0007 ⁴	Tier II	0.0014 ²	Tier II
Sept 5-6, 2007	Northwest of OPCAs	Non Detect (<0.0003) ⁴	Tier II	0.0003 ²	Tier II
Sept 12-13, 2007	Northwest of OPCAs	Non Detect (<0.0003) ⁴	Tier II	0.0003 ²	Tier II
Oct 2-3, 2007	Northwest of OPCAs	Non Detect (<0.0003) ⁴	Tier II	Non Detect (<0.0003) ²	Tier II
Nov 6-7, 2007	Northwest of OPCAs	NA ⁵	NA	NA ^{2,6}	NA
Dec 19-20, 2007	Northwest of OPCAs	Non Detect (<0.0003) ⁴	Tier II	Non Detect (<0.0003) ²	Tier II
Notification Level (ug/m ³)		0.0500		0.0500	
Revised Action Level (ug/m ³)		0.0500		0.0500	
Original Action Level (ug/m ³)		0.1000		0.1000	

Notes:

¹ - Sample analyzed by STL [Detection Limit ranges between 0.10 - 0.17 micrograms (ug) per sample medium depending on the specific Aroclor]. To calculate an individual sample Detection Limit in ug per cubic meter (ug/m³), divide the Detection Limit per sample medium (ug) by the total volume of air that passed through the sample medium (m³) during the 24-hour sample period. The typical volume of air for these samples is about 340 m³, so 0.1 - 0.17 ug divided by 340 m³ results in a typical sample Detection Limit of 0.0003 - 0.0005 ug/m³, or 0.3 - 0.5 nanograms per cubic meter (ng/m³).

² - Sample analyzed by NEA (Detection Limit = 0.1 ug per sample medium).

³ - Sample result not available due to laboratory error.

⁴ - Sample analyzed by Test America (formerly known as STL). A new laboratory Method Detection Limit study resulted in a Detection Limit of 0.1 ug per sample medium for all Aroclors, and a corresponding volume-weighted Detection Limit of 0.0003 ug/m³.

⁵ - No sample due to equipment failure.

⁶ - Sample result rejected during data validation.

J - Sample result is estimated based on data validation; refer to GE's 2007 PCB Air Sampling Results summary table for details for each sampling event (<http://www.epa.gov/region01/ge/thesite/opca-reports.html>)

P - Indicates a greater than 40% difference for detected concentrations between two gas chromatograph (GC) columns. The greater of the two values is reported.

Updated 2/25/2008